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January 23, 2007

Office of Patent Publication
Attention: Certificates of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re : U.S. Patent Application Number 10/803,071
Title: "UV Curable Pressure Sensitive Adhesives"
Applicant(s): James R. Erickson
Filing Date: March 16, 2004
Attorney Docket No.: W0026/US

Dear Sir:

Please find the following enclosed documents:

1. Request for Certificate of Correction Under 37 CFR 1.322;
2. Certificate of Correction (PTO/SB/44); and
3. Return Receipt Postcard.

The Commissioner is hereby authorized to charge and credit KRATON Polymers U.S. LLC Deposit Account No. 50-1951 for the fees necessitated with the filing of this correspondence.

Respectfully submitted,

Michael A. Masse
Intellectual Property Asset Manager

Enclosures

Certificate
JAN 31 2007
of Correction

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: James R. Erickson	§	
	§	Group Art Unit: 1714
Application Serial No.: 10/803,071	§	
	§	Examiner: Sanza L. McClendon
Filing Date: March 16, 2004	§	
	§	Confirmation No.: 5177
Title: UV Curable Pressure Sensitive	§	
Adhesives	§	Attorney Docket No.: W0026/US

Commissioner for Patents
Office of Patent Publication Attention: Certificates of Correction Branch
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sirs:

**REQUEST FOR CERTIFICATE OF CORRECTION
UNDER 37 C.F.R. § 1.322**

Attached is a copy of the claims section of U.S. Patent Number 7,163,968 B2 received from the U.S. Patent and Trademark Office in the above-referenced application. The issuance of a certificate of correction is respectfully requested.

Claim 11 contains a typographical error introduced during printing of the issued patent in Column 16 at line 21. Claim 11 currently reads as follows:

The adhesive of claim 1 wherein the selectively hydrogenated starblock copolymer has the structure (S-EP)_nY wherein S is a polystyrene block of molecular weight from 1,000 to 10,000 daltons, EP is a hydrogenated polyisoprene block of molecular weight from 25,000 to 100,000 daltons, n is an integer from 3 to 30, and Y is the residue of a **multifianctional** coupling agent.

Claim 11 should read as follows:

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The adhesive of claim 1 wherein the selectively hydrogenated starblock copolymer has the structure (S-EP)_nY wherein S is a polystyrene block of molecular weight from 1,000 to 10,000 daltons, EP is a hydrogenated polyisoprene block of molecular weight from 25,000 to 100,000 daltons, n is an integer from 3 to 30, and Y is the residue of a **multifunctional** coupling agent.

Applicants believe that no fee is required with the filing of this request. If a fee is required, the Commissioner is hereby authorized to charge the processing fee to deposit account 50-1951 (W0026/US).

Respectfully submitted,

Date: January 23, 2007



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1 claim:

✓ 1. A UV curable pressure sensitive adhesive consisting essentially of:

- a) from 15 percent to 35 percent by weight of an epoxidized monohydroxylated polydiene polymer which is comprised of at least two polymerizable ethenically unsaturated hydrocarbon monomers wherein one is a diene monomer which yields unsaturation suitable for epoxidation and wherein the polymer has been epoxidized to have from 0.1 to 7.0 meq of epoxy functional group per gram of polymer;
- b) from 10 percent to 30 percent by weight of a hydrogenated, hydroxylated polydiene polymer which has on average from more than 1 to about 2 hydroxyl groups per molecule; and
- c) from 1 percent to 10 percent by weight of a selectively hydrogenated starblock copolymer wherein the arms of the star comprise at least one block of hydrogenated polydiene and at least one block of poly(monovinyl arene);
- d) from 30 percent to 70 percent by weight of a tackifier, and
- e) from 0.01 percent to 3 percent by weight of a photoinitiator.

✓ 2. The adhesive of claim 1 wherein the polymerizable ethenically unsaturated hydrocarbon monomers comprising the epoxidized monohydroxylated polydiene polymer are selected from the group consisting of isoprene, butadiene and styrene.

✓ 3. The adhesive of claim 1 wherein the diene monomer comprising the epoxidized monohydroxylated polydiene polymer which yields unsaturation suitable for epoxidation is isoprene.

✓ 4. The adhesive of claim 1 wherein the epoxidized monohydroxylated polymer has from 0.5 to 4.0 meq of epoxy per gram of polymer.

✓ 5. The adhesive of claim 1 wherein the epoxidized polydiene polymer has the structure I—EB—OH wherein I is a partially saturated polyisoprene block of molecular weight from 100 to 6000 daltons, EB is a predominantly saturated hydrogenated polybutadiene block of molecular weight from 1000 to 15,000 daltons, OH is a terminal primary hydroxyl group, and has an epoxy level from about 0.5 to about 4.0 meq of epoxy per gram of polymer.

✓ 6. The adhesive of claim 5 wherein the partially saturated polyisoprene block has a molecular weight from 1,000 to 3,000 daltons, and the predominantly saturated polybutadiene block has a molecular weight from 3,000 to 6,000 daltons.

✓ 7. The adhesive of claim 5 wherein the epoxidized monohydroxylated polymer has an epoxy level from 0.8 to 3.0 meq of epoxy functional group per gram of polymer.

✓ 8. The adhesive of claim 1 wherein the hydrogenated hydroxylated polydiene polymer is composed of predominantly polybutadiene and has a peak molecular weight from 1,000 to 10,000 daltons, a vinyl content between 30% and 70%, and a hydroxyl functionality from 1.75 to 1.98.

✓ 9. The adhesive of claim 8 wherein the hydrogenated hydroxylated polydiene polymer has a peak molecular weight from 2,000 to 6,000 daltons.

✓ 10. The adhesive of claim 1 wherein the hydrogenated hydroxylated polydiene polymer has at least 90% of the diene unsaturated hydrogenated.

15 X 11. The adhesive of claim 1 wherein the selectively hydrogenated starblock copolymer has the structure (S—EP)_nY wherein S is a polystyrene block of molecular weight from 1,000 to 10,000 daltons, EP is a hydrogenated polyisoprene block of molecular weight from 25,000 to 100,000 daltons, n is an integer from 3 to 30, and Y is the residue of a multifunctional coupling agent.

✓ 12. The adhesive of claim 11 wherein the selectively hydrogenated starblock copolymer has a polystyrene block of molecular weight from 1,000 to 6,000 daltons and a hydrogenated polyisoprene block of molecular weight from 40,000 to 60,000 daltons.

✓ 13. The adhesive of claim 1 wherein the photoinitiator is a triaryl sulfonium salt.

30 ✓ 14. The adhesive of claim 1 wherein the photoinitiator is a diaryl iodonium salt.

✓ 15. The adhesive of claim 14 wherein the photoinitiator is present in an amount from 0.025% to 1% by weight.

✓ 16. The adhesive of claim 14 wherein the photoinitiator is bis(dodecylphenyl) iodonium hexafluoroantimonate.

✓ 17. The adhesive of claim 1 wherein the tackifier is a hydrogenated hydrocarbon resin.

✓ 18. The adhesive of claim 17 wherein the hydrogenated hydrocarbon resin is present in an amount from 40 to 60 percent by weight.

✓ 19. The adhesive of claim 17 wherein the hydrogenated hydrocarbon resin is present in an amount from 45 to 55 percent by weight.

45 ✓ 20. The adhesive of claim 17 wherein the hydrogenated hydrocarbon resin has a ring and ball softening point from 80 to 110° C.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

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PATENT NO. : 7,163,968 B2

APPLICATION NO.: 10/803,071

ISSUE DATE : January 16, 2007

INVENTOR(S) : James R. Erickson

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Claim 11 should read:

The adhesive of claim 1 wherein the selectively hydrogenated starblock copolymer has the structure (S-EP)_nY wherein S is a polystyrene block of molecular weight from 1,000 to 10,000 daltons, EP is a hydrogenated polyisoprene block of molecular weight from 25,000 to 100,000 daltons, n is an integer from 3 to 30, and Y is the residue of a multifunctional coupling agent.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Kraton Polymers U.S. LLC
3333 Highway 6 South
Houston, Texas 77082

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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